GrayLIT Network Search Results for: seed AND "memory test"

Documents from DTIC Report Collection(0 out of 0):

Documents from DOE Information Bridge (0):

Documents from the NASA Jet Propulsion Lab Reports (2 out of 2):

1. Tantalum hot-electron bolometers for low-noise heterodyne receivers

   We describe superconducting diffusion-cooled hot-electron bolometers that were fabricated fromtantalum films grown on a thin niobium seed layer. The seed layer promotes single-phase growth of the Ta films, resulting in high-quality bolometers with transition temperatures up to 2.35 K and transition widths of less than 0.2 K. An S-parameter measurement set-up in a He-3 cryostat was used to measure device impedance versus frequency of a 400 nm long device at a temperature of

2. High-T_c Edge-geometry SNS Weak Links on Silicon-on-sapphire Substrates

   High-quality superconductor/normal-metal/superconductor(SNS) edge-geometry weak links have been produced on silicon-on-sapphire (SOS) substrates using a new $SrTiO_3$/'seed layer'/cubic-zirconia (YS2) buffer system.

Documents from the NASA Langley Technical Reports (0 out of 0):